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Kişisel Bilgiler

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ScopusID: 24479329000

Yoksis Araştırmacı ID: 107304

Eğitim Bilgileri

Post Doktora, King Mongkut's University

Of Technology Thonburi, Makina

Fakültesi, Makina Mühendisliği Bölümü,

Tayland 2006 - 2007

Doktora, Yıldız Teknik Üniversitesi,

Makina Fakültesi, Makina Mühendisliği,

Türkiye 1999 - 2006

Yüksek Lisans, Yıldız Teknik Üniversitesi,

Makina Fakültesi, Makina Mühendisliği,

Türkiye 1996 - 1999

Lisans, Yıldız Teknik Üniversitesi, Makina

Fakültesi, Makina Mühendisliği, Türkiye

1992 - 1996

Biyografi

Ahmet Selim Dalkilic obtained his B.S., MS., and Ph.D. degrees from Yıldız Technical University in Istanbul, Turkey. Following his Ph.D. work on in-tube condensation phenomena at smooth and corrugated tubes during turbulent flow, he conducted his post-Ph.D. work at King Mongkut's University of Technology Thonburi, Bangkok, Thailand, between 2006 and 2007. This work was a continuation of his PhD work on in-tube condensation phenomena in smooth and microfin tubes during laminar flow. The ScholarGPS website ranks him among the top 100 researchers on condensation and 644 researchers on heat transfer worldwide. Stanford University also ranks him among the top 2% of most successful scientists. He served as a member of the Elsevier-sponsored Innovation Explorer for Scientific Researchers to evaluate Elsevier journals' websites from 2009 to 2012. Currently, he holds a full professor position in the Mechanical Engineering Department and serves as the editor-in-chief of the Journal of Thermal Engineering, a Q3 journal with ESCI and SCOPUS indexes, which he founded in 2014. Since 2021, he has also served as the

editor-in-chief of the Sigma Journal of Engineering and Natural Sciences, maintaining the same qualifications. His research activities encompass a broad range of thermal sciences, with a particular focus on convection and HVAC applications in enclosures, heat exchangers, including enhanced tubes, microchannels, and heat sinks during single- and two-phase flows. Recently, his research group has been developing technologies that utilize CFD methods for simulating experimental heat transfer problems, machine learning techniques for heat transfer applications, nanoparticles for determining their physical properties, conditioning for stability, and flows in enhanced tubes or channels. He has received several international awards from conferences and innovation exhibitions for his contribution in the field of heat transfer and two-phase flows. Every year, his university awards him for being among the most successful researchers. In addition, he has been one of the most successful academicians in his faculty for more than 15 years. Moreover, he has organized many international conferences with broad participation as their chairman or co-chairman since 2015 and authored or co-authored more than 350 reviewed publications.

Academic Performance in Yildiz Technical University's Mechanical Engineering Department and Faculty

Year	Academic Performance Score	Rank Amongst Professor in Faculty	Rank Amongst All Researchers in Faculty	Rank Amongst Professor in Department	Rank Amongst All Researchers in Department
<u>Past</u>	1735.15*	3/169	4/263	3/52	4/70
<u>2014</u>	347.42*	1/145	1/227	1/50	1/69
<u>2015</u>	349.45*	1/143	1/229	1/49	1/72
<u>2016</u>	573.99*	1/141	1/225	1/49	1/72
<u>2017</u>	758.55*	1/139	1/220	1/49	1/72
<u>2018</u>	684.78*	2/140	2/222	2/49	2/73
<u>2019</u>	733.53*	2/140	2/222	2/49	2/73
<u>2020</u>	866.00*	2/142	2/229	2/50	2/74
<u>2021</u>	899.24*	2/144	2/234	2/50	2/74
<u>2022</u>	1132.60*	1/146	1/243	1/50	1/74
<u>2023</u>	246.76*	2/146	4/244	2/50	4/74
<u>2024</u>	322.49*	3/147	3/246	2/50	2/74
<u>TOTAL</u>	8649.96*	1/115	1/179	1/46	1/65

* : Weighted Score

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Past	1735.15*	3/169	4/263	3/52	4/70
2014	347.42*	1/145	1/227	1/50	1/69
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2022	1132.60*	1/146	1/243	1/50	1/74
2023	246.76*	2/146	4/244	2/50	4/74
2024	322.49*	3/147	3/246	2/50	2/74
TOTAL	8649.96*	1/115	1/179	1/46	1/65

* : Weighted Score

Yabancı Diller

İngilizce, B1 Orta

Yaptığı Tezler

Doktora, Düşey Borularda Yoğuşmada Isı Taşınım Katsayısının Araştırılması , Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2007

Yüksek Lisans, Kapalı olimpik yüzme havuzlarında iklim koşullarının sağlanması , Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 1999

Araştırma Alanları

Makina Mühendisliği, Enerji, Diğer Yenilenebilir Enerji Sistemleri, Termodinamik, Isı ve Madde Transferi, Isıtma, Soğutma ve Havalandırma, Isıl Sistemler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2020 - Devam Ediyor
Doç. Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2014 - 2020
Yrd. Doç. Dr., Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2011 - 2014
Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 1997 - 2011

Akademik İdari Deneyim

Baş Editör, Yıldız Teknik Üniversitesi, Rektörlük, Rektörlük, 2021 - Devam Ediyor
Mevlana Değişim Programı Koordinatörü, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2018 - Devam Ediyor
Baş Editör, Yıldız Teknik Üniversitesi, Rektörlük, Rektörlük, 2014 - Devam Ediyor
Erasmus Koordinatörü, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2008 - 2014
Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2007 - 2008

Verdiği Dersler

Isıl ve Mekanik Sistem Tasarımı, Lisans, 2018 - 2019
Akışkanlar Mekaniği 1, Lisans, 2018 - 2019, 2017 - 2018, 2014 - 2015, 2013 - 2014, 2012 - 2013
Akıllı Binalarda Mekanik Tesisat ve Elemanları , Lisans, 2019 - 2020, 2017 - 2018, 2015 - 2016
Araştırma Yöntemleri ve Bilimsel Etik, Yüksek Lisans, 2019 - 2020
Soğutma ve İklimlendirme Esasları, Lisans, 2018 - 2019
Isı Transferi, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018
İleri Termodinamik, Yüksek Lisans, 2019 - 2020
Akışkanlar Mekaniği 1, Lisans, 2019 - 2020
Thermodynamics, Lisans, 2018 - 2019
Isı Değiştiricileri, Lisans, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013
Enerji Sistemlerinin II. Kanun Analizi ve Ekserji, Yüksek Lisans, 2018 - 2019, 2015 - 2016
İklimlendirme ve Akıllı Sistemler, Yüksek Lisans, 2018 - 2019, 2017 - 2018
Seminer, Yüksek Lisans, 2016 - 2017, 2015 - 2016
İklimlendirmede Yalıtım Sistemleri, Lisans, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Bina Otomasyonu ve İşletmesi, Lisans, 2016 - 2017, 2015 - 2016
Isı Transferi 1, Lisans, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
Termodinamik 1, Lisans, 2013 - 2014
Konveksiyon ve Radyasyonda Özel Konular, Yüksek Lisans, 2012 - 2013
Thermodynamics 2 , Lisans, 2011 - 2012
Fluid Mechanics, Lisans, 2011 - 2012
Termodinamik 2, Lisans, 2012 - 2013
Thermodynamics 1, Lisans, 2011 - 2012
Makina Mühendisliğine Giriş 2, Lisans, 2011 - 2012

Yönetilen Tezler

Dalkılıç A. S., FARKLI BORU TİPLERİNDE YOĞUŞMA ISI TRANSFERİ KARAKTERİSTİKLERİNİN MAKİNE ÖĞRENMESİ ALGORİTMALARI İLE İNCELENMESİ , Doktora, S.BÜŞRA(Öğrenci), 2024
Dalkılıç A. S., Çolak A. B., Denizaltılarda Optimum Yalıtım Kalınlığının Belirlenmesi, Yüksek Lisans, S.DURMAZ(Öğrenci), 2022
Dalkılıç A. S., Sözbir N., Yer Sabit Uydularda Isıl Kontrol Sistemi Ön Tasarımı Ve Sonlu Elemanlar Metodunda Ağ Yapısı/Simülasyon Parametrelerinin Optimizasyonu, Yüksek Lisans, Y.MURAT(Öğrenci), 2022
Dalkılıç A. S., Açıköz Ö., BİR YÜZEYİNE RADYANT SOĞUTMA UYGULANAN KAPALI BİR HACİMDE CEBRİ HAVALANDIRMANIN ISI GEÇİŞİ KARAKTERİSTİKLERİNE ETKİSİNİN İNCELENMESİ , Doktora, M.CAMCI(Öğrenci), 2022
Dalkılıç A. S., YÜKSEK ALEV HIZLARINA SAHİP ENDÜSTRİYEL YAKICILARDA YANMA SONUCU OLUŞAN EMİSYONLARIN DENEYSEL VE NÜMERİK OLARAK İNCELENMESİ, Yüksek Lisans, B.Kılıç(Öğrenci), 2022

Dalkılıç A. S., Boğoçlu M. E., Kuş çarpmasına maruz kalan kompozit yapıların analizinde tam bağlantılı sinir ağları kullanılarak tahmin modelinin geliştirilmesi, Doktora, Z.HASILCI(Öğrenci), 2022

Akyol E., Dalkılıç A. S., Katkı Maddesi Varlığında Nano Titanyum Dioksit Eldesi Ve Nanoakışkan Olarak Kullanımının İncelenmesi, Yüksek Lisans, R.ARSLAN(Öğrenci), 2022

Dalkılıç A. S., Mercan H., Helezon borulu ısı değiştiricilerinin optimizasyonu, Yüksek Lisans, D.AKGÜL(Öğrenci), 2021

Dalkılıç A. S., Taner T., Kojenerasyon Tesislerinde Kömür ile Biyokütle Kullanımının Kazan Verimine Etkisinin incelenmesi, Yüksek Lisans, Ş.Berber(Öğrenci), 2020

Dalkılıç A. S., BİR MAHALIN TERMAL KONFOR ŞARTLARININ HESAPLAMALI AKIŞKANLAR DINAMIĞI YÖNTEMİ İLE ANALIZI, Yüksek Lisans, S.ÖZSAĞIROĞLU(Öğrenci), 2020

Dalkılıç A. S., Dört kanallı burulmuş şerit eklenmiş düz boru içerisinde hibrit nano partiküllü su akışında ısı transferi ve basınç düşümünün deneysel olarak incelenmesi, Yüksek Lisans, O.ALPEREN(Öğrenci), 2020

Dalkılıç A. S., Düz ve Helisel Borularda Koruge Yüzeylerin Kullanımının Isı Geçişi Karakteristiklerine Etkisinin Sayısal Olarak İncelenmesi, Yüksek Lisans, Ş.METİN(Öğrenci), 2020

Dalkılıç A. S., Yapay Sinir Ağları Yöntemiyle Doğalgaz Şehir Giriş İstasyonlarının Projelendirilmesi, Yüksek Lisans, V.BALIKÇI(Öğrenci), 2019

Dalkılıç A. S., Borulu Tip Isı Değiştiricilerinde Laminar Akışta Nümerik Olarak Isı Geçişi Karakteristiklerinin Araştırılması, Yüksek Lisans, O.DALLI(Öğrenci), 2019

Dalkılıç A. S., Mikrokanallı ısı alıcılarında akan R134A'nın kaynamasının deneysel olarak araştırılması, Yüksek Lisans, C.ÖZMAN(Öğrenci), 2019

Dalkılıç A. S., AĞIR TİCARİ ARAÇLARDA RADYATÖR KAPASİTESİNİN DENEYSEL OLARAK TAYİNİ, Yüksek Lisans, H.FURKAN(Öğrenci), 2019

Dalkılıç A. S., Yumurtacı Z., Döşemeden ısıtma ve soğutma sistemlerinin ısı transferi karakteristiklerinin incelenmesi, Doktora, Y.KARAKOYUN(Öğrenci), 2019

Dalkılıç A. S., Bayrak M., Grafit bazlı bir nanosivinin ticari bir mikrokanalda soğutma performansının deneysel olarak incelenmesi, Doktora, O.YILDIZ(Öğrenci), 2018

Dalkılıç A. S., Yatay mikrokanatlı borularda kaynama ısı taşınım katsayısının ve basınç düşümünün araştırılması, Doktora, A.CELEN(Öğrenci), 2018

Dalkılıç A. S., Nanoakışkanlı çift borulu ısı değiştiricilerin optimizasyonu, Yüksek Lisans, G.ÖZÇELİK(Öğrenci), 2018

Dalkılıç A. S., Mikrokanallı ısı değiştiricilerinde tek fazlı türbülanslı akışın deneysel incelenmesi, Yüksek Lisans, S.YILMAZ(Öğrenci), 2017

Dalkılıç A. S., Karbon nanotüplü kompresör yağlarının dinamik viskozitelerinin deneysel incelenmesi, Yüksek Lisans, H.TARIK(Öğrenci), 2017

Dalkılıç A. S., Theoretical investigation of the use of nanorefrigerants in various refrigeration cycles, Yüksek Lisans, M.AKTAŞ(Öğrenci), 2014

Dalkılıç A. S., İç yüzeyi pürüzsüz ve mikrokanatlı düşey borular içinde akan saf suyun basınç düşümünün deneysel olarak belirlenmesi, Yüksek Lisans, A.ÇEBİ(Öğrenci), 2014

Dalkılıç A. S., Experimental analysis of the single phase pressure drop characteristics of smooth and microfin tubes, Yüksek Lisans, A.CELEN(Öğrenci), 2013

Dalkılıç A. S., Numerical investigation of the single phase forced convection heat transfer characteristics of nanofluids flowing in enhanced tubes, Yüksek Lisans, N.KAYACI(Öğrenci), 2012

Jüri Üyelikleri

Doktora Yeterlik Sınavı, Doktora Yeterlik Sınavı, Trakya Üniversitesi, Mayıs, 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A comparison of heating and cooling systems having radiant and ventilation systems regarding thermal comfort**
Rahmanparast A., Bacak A., Camci M., Karakoyun Y., Acikgoz O., Dalkılıç A. S.
Journal of Thermal Analysis and Calorimetry, cilt.149, sa.11, ss.13551-13579, 2024 (SCI-Expanded)
- II. **Investigation on the heat transfer and pressure loss of flow boiling in smooth and microfin tubes using machine learning methods**

- Sezer Ş., Sezer C., Celen A., Bacak A., Dalkılıç A. S.
Journal of Thermal Analysis and Calorimetry, cilt.150, sa.12, ss.1-21, 2024 (SCI-Expanded)
- III. **Parametric Evaluation of a Single Cylinder Diesel Engine Fueled with Goat-Urine Emulsified Diesel**
Katara P., Kumbhar V. S., Tirpude R. B., Dalkilic A. S., Chan C. K.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.49, ss.1-12, 2024 (SCI-Expanded)
- IV. **Assessment of heat transfer characteristics of a corrugated heat exchanger based on various corrugation parameters using artificial neural network approach**
Çolak A. B., Kirkar S. M., Gönül A., Dalkilic A. S.
INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, cilt.108, ss.1-15, 2024 (SCI-Expanded)
- V. **Effects of facades positioned at different angles on building thermal performance and flow behaviors**
Amani-Beni M., Tabatabaei Malazi M., Sahin B., Dalkılıç A. S.
FRONTIERS OF ARCHITECTURAL RESEARCH, cilt.23, sa.September, ss.1-15, 2024 (AHCI)
- VI. **Effect of particle size on SiO₂ nanofluid viscosity determined by a two-step method**
Yalçın G., Öztuna S., Dalkılıç A. S., Wongwises S.
Journal of Thermal Analysis and Calorimetry, cilt.149, sa.9, ss.13681-13696, 2024 (SCI-Expanded)
- VII. **Air thermal management platform assessment in centralized and decentralized air-conditioning systems**
Salman A. S., Abdulkarim A. H., Ali Q. A., Ayad K. A., Koca A., Epaarachchi J., Dalkilic A. S.
Journal of Thermal Analysis and Calorimetry, cilt.149, sa.8, ss.12399-12415, 2024 (SCI-Expanded)
- VIII. **CFD and ANN analyses for the evaluation of the heat transfer characteristics of a rectangular microchannel heat sink with various cylindrical pin-fins**
Tabatabaei Malazi M., Kaya K., Çolak A. B., Dalkılıç A. S.
HEAT AND MASS TRANSFER/WAERME- UND STOFFUEBERTRAGUNG, cilt.60, sa.7, ss.1393-1411, 2024 (SCI-Expanded)
- IX. **PREDICTION OF THE OPERATIONAL PERFORMANCE OF A VEHICLE SEAT THERMAL MANAGEMENT SYSTEM USING STATISTICAL AND MACHINE LEARNING TECHNIQUES**
Ghareeb A., Abdulkarim A. H., Salman A. S., Kakei A., Canli E., Chiasson A., Choi J., Dalkılıç A. S.
CASE STUDIES IN THERMAL ENGINEERING, cilt.1, ss.1-10, 2024 (SCI-Expanded)
- X. **Investigating hermetic reciprocating compressor performance by using various machine learning methods**
Bacak A., Çolak A. B., DALKILIÇ A. S.
Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, cilt.238, sa.11, ss.5369-5384, 2024 (SCI-Expanded)
- XI. **An experimental study on the determination of a hermetic reciprocating compressor's discharge and suction losses**
Bacak A., PINARBAŞI A., DALKILIÇ A. S.
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, cilt.238, sa.3, ss.1330-1344, 2024 (SCI-Expanded)
- XII. **Determination of dynamic viscosity and stability for single and hybrid nanofluids of SiO₂, TiO₂, MWCNT and ZnO nanoparticles**
Atmaca B., Yalçın G., Küçükylırdırım B. O., Arkadumnuay T., Leunanonchai W., Manova S., Dalkılıç A. S., Wongwises S.
Journal of Thermal Analysis and Calorimetry, cilt.149, sa.4, ss.6715-6735, 2024 (SCI-Expanded)
- XIII. **Improving pressure drop predictions for R134a evaporation in corrugated vertical tubes using a machine learning technique trained with the Levenberg–Marquardt method**
Çolak A. B., Bacak A., Karakoyun Y., Koca A., Dalkilic A. S.
Journal of Thermal Analysis and Calorimetry, cilt.149, sa.4, ss.5497-5509, 2024 (SCI-Expanded)
- XIV. **Enhancement of thermal and flow characteristics in helically coiled tubes with corrugated surfaces by Genetic Algorithm based optimization**
Kirkar Ş. M., Gönül A., Selim Dalkilic A. S.
International Journal of Heat and Fluid Flow, cilt.106, 2024 (SCI-Expanded)
- XV. **Investigation on the effect of surfactants on the viscosity of graphite-water-based nanofluids**
Yalçın G., Humenic G., Humenic A., Panchal H., Dalkılıç A. S.
JOURNAL OF MOLECULAR LIQUIDS, cilt.3, ss.1-15, 2024 (SCI-Expanded)
- XVI. **Prediction of performance parameters of a hermetic reciprocating compressor applying an artificial neural network**
Bacak A., Çolak A. B., Dalkılıç A. S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART E: JOURNAL OF PROCESS MECHANICAL ENGINEERING, cilt.238, ss.1-32, 2024 (SCI-Expanded)

- XVII. **Artificial neural network-based cooling capacity estimation of various radiator configurations for power transformers operated in ONAN mode**
Koca A., Senturk O., Çolak A. B., Bacak A., Dalkilic A. S.
Thermal Science and Engineering Progress, cilt.50, sa.5, ss.1-42, 2024 (SCI-Expanded)
- XVIII. **An artificial neural network-based numerical estimation of the boiling pressure drop of different refrigerants flowing in smooth and micro-fin tubes**
Çolak A. B., Bacak A., KAYACI N., DALKILIÇ A. S.
Kerntechnik, cilt.89, sa.1, ss.15-30, 2024 (SCI-Expanded)
- XIX. **Investigation of the thermal performance of a spiral fin-and-tube heat exchanger by numerical methods**
Tabatabaei Malazi M., Apak S., Sezer C., Başoğlu H. C., Dalkılıç A. S.
NUMERICAL HEAT TRANSFER, PART B: FUNDAMENTALS, cilt.85, sa.2, ss.1-21, 2024 (SCI-Expanded)
- XX. **Novel air duct designs to estimate the windshield demisting issue for a commercial vehicle**
Akgunlu S., Özcan O., Bacak A., Gonul A., Taner T., Dalkilic A. S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART D: JOURNAL OF AUTOMOBILE ENGINEERING, cilt.0, sa.0, 2024 (SCI-Expanded)
- XXI. **Investigating a Hermetic Reciprocating Compressor Performance under Variable Lift Limiter Height using FSI Method**
Bacak A., Pınarbaşı A., Dalkılıç A. S.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART E: JOURNAL OF PROCESS MECHANICAL ENGINEERING, cilt.1, sa.2, ss.1-15, 2024 (SCI-Expanded)
- XXII. **Experimental and Machine Learning Research on a Multi-Functional Trombe Wall System**
Aydin D., Rezaei M., Çolak A. B., Dalkılıç A. S.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.33, sa.4, ss.1-10, 2024 (SCI-Expanded)
- XXIII. **Prediction of performance parameters of a hermetic reciprocating compressor under different discharge lift limiter heights by machine learning**
Bacak A., Çolak A. B., DALKILIÇ A. S.
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024 (SCI-Expanded)
- XXIV. **Investigation of the usage of nano-Titanium dioxide Produced with Polyethylene glycol and Alginate additives as nanofluid Polietilen glikol ve Alginat katkıları ile üretilen nano Titanyum dioksitin nanoakışkan olarak kullanımının incelenmesi**
Arslan R., Akyol E., Dalkılıç A. S.
Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.40, sa.1, ss.331-341, 2024 (SCI-Expanded)
- XXV. **Advances in Triple Tube Heat Exchangers Regarding Heat Transfer Characteristics of Single and Two-Phase Flows in Comparison to Double Tube Heat Exchangers Part 1**
Akgul D., Mercan H., Acikgoz O., Dalkilic A. S.
KERNTECHNIK, cilt.88, sa.6, ss.1-14, 2023 (SCI-Expanded)
- XXVI. **Advances in triple tube heat exchangers regarding heat transfer characteristics of single and two-phase flows in comparison to double tube heat exchangers part 2**
Akgul D., Mercan H., Acikgoz O., Dalkilic A. S.
KERNTECHNIK, cilt.88, sa.6, ss.1-14, 2023 (SCI-Expanded)
- XXVII. **Experimental and numerical investigations on the heat transfer characteristics of a real-sized radiant cooled wall system supported by machine learning**
Çolak A. B., Acikgoz Ö., Karakoyun Y., Koca A., Dalkiliç A. S.
International Journal of Thermal Sciences, cilt.191, 2023 (SCI-Expanded)
- XXVIII. **A sensitivity analysis of the effect of curvature ratio on the thermal-hydraulic performance in helically coiled tubes with corrugated walls**
Kirkar Ş. M., Gönül A., Dalkilic A. S.
International Journal of Thermal Sciences, cilt.190, 2023 (SCI-Expanded)
- XXIX. **Case studies on local mixed convection heat transfer coefficients along a radiant heated wall subjected to displacement ventilation**
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- LIII. **Dynamic simulation and exergy analysis of an Organic Rankine Cycle integrated with vapor compression refrigeration system**
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4th International Conference on Advances in Mechanical Engineering Istanbul 2018, Çalışma Grubu, İstanbul, Türkiye, 2018
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